

**9. Operations and logistics at Cape Shirreff, Livingston Island; and Copacabana, King George Island, Antarctica, 2000/01; submitted by Jessica D. Lipsky and Rennie S. Holt.**

**9.1 Objectives:** During the 2000/01 field season, the AMLR Program occupied a field camp at Cape Shirreff, Livingston Island, Antarctica (62° 28'07"S, 60° 46'10"W) to support land-based research on seabirds and pinnipeds. The camp was occupied continuously from 16 November 2000 through 28 February 2000. The AMLR Program provided logistical support to the Copacabana field camp on King George Island (62° 10'S, 58° 30'W), which is the site of seabird research funded by the National Science Foundation. The main logistical objectives of the 2000/01 season were:

1. To deploy four personnel and provisions in mid-October 2000 from the R/V *Lawrence M. Gould* to the Copacabana field camp at Admiralty Bay, King George Island;
2. To deploy a four-person team and provisions in mid-November 2000 from the R/V *Lawrence M. Gould* to Cape Shirreff, Livingston Island to initiate research activities pertaining to seabirds and pinnipeds;
3. To deploy one person and provisions in late December 2000 to the Copacabana field camp from the Marine Expeditions tour ship *Maria Yurmulova*;
4. To deploy two personnel to Cape Shirreff, along with supplies and equipment, in early January 2001 from the R/V *Yuzhmorgeologiya*;
5. To deploy one person to Cape Shirreff in early February 2001 from the R/V *Yuzhmorgeologiya*;
6. To deploy one person to the Copacabana field camp in early February from the R/V *Lawrence M. Gould*;
7. To recover one person from Copacabana field camp in early December 2000 aboard the R/V *Lawrence M. Gould*;
8. To recover one person from Cape Shirreff in early February 2001 and to retrieve trash and pinniped scat samples;
9. To recover one person from the Copacabana field camp in early mid-February 2001 aboard the R/V *Lawrence M. Gould*;
10. To recover six personnel from Cape Shirreff in late February 2001 aboard the R/V *Yuzhmorgeologiya* and to retrograde equipment and trash at the end of the field season;
11. To recover four personnel from the Copacabana field camp in early March 2001 aboard the R/V *Yuzhmorgeologiya* and to retrograde equipment and trash at the end of the field season;

12. To maintain effective communication systems on Cape Shirreff and to maintain daily radio contact with either Cape Shirreff and Copacabana camps with the R/V *Yuzhmorgeologiya*.

**9.2 Accomplishments:** Four personnel (S. Trivelpiece, C. Thiessen, M. Owczarek and L. Rektoris) and provisions were deployed from the R/V *Lawrence M. Gould* to the Copacabana field camp at Admiralty Bay, King George Island on 12 October 2000.

A four-person field team (M. Goebel, M. Taft, I. Saxer and B. Pister), along with provisions, equipment and supplies, arrived at Cape Shirreff, Livingston Island aboard the R/V *Lawrence M. Gould* on 16 November 2000. Scientific activities were quickly initiated. Maintenance of the campsite and bird blind observation deck also began.

One person (L. Shill) and field supplies were deployed to the Copacabana field camp on 21 December 2000 from the Marine Expeditions tour ship *Maria Yurmulova*.

Two additional personnel (W. Trivelpiece and B. Parker) and supplies arrived at the Cape Shirreff campsite from the R/V *Yuzhmorgeologiya* on 14 January 2001.

One person (J. Yarkin) arrived at the Copacabana camp from the R/V *Lawrence M. Gould* on 5 February 2001.

One person (R. Holt) and supplies were deployed on 11 February 2001 to the Cape Shirreff field camp from the R/V *Yuzhmorgeologiya*.

One person (S. Trivelpiece) departed Copacabana on 1 December 2000 aboard the R/V *Lawrence M. Gould*.

One person (M. Goebel) was retrieved from the Cape Shirreff field camp on 2 February 2001 aboard the R/V *Yuzhmorgeologiya*.

One person (J. Yarkin) departed the Copacabana camp on 12 February 2001 aboard the R/V *Lawrence M. Gould*.

On 28 February 2001, a six-person team closed the Cape Shirreff field camp for the season. All personnel (R. Holt, W. Trivelpiece, B. Parker, M. Taft, I. Saxer and B. Pister), along with garbage and equipment requiring maintenance for protection from the winter weather, were removed and loaded aboard the R/V *Yuzhmorgeologiya* for return to the United States.

On 1 March 2001, a four-person team (L. Shill, C. Thiessen, M. Owczarek and L. Rektoris) closed and departed for the season the Copacabana campsite by the R/V *Yuzhmorgeologiya*, along with trash and retrograded equipment.

Daily radio communications were maintained by Cape Shirreff with the R/V *Yuzhmorgeologiya* and Copacabana field camp by SSB radio.

**9.3 Recommendations:** Support provided by the R/V *Yuzhmorgeologiya* and the AMLR scientific complement made a significant contribution to the success of the field camp at Cape Shirreff. Use of the Chilean ATV and trailer were vital for transporting materials and supplies from the boat landing to the Cape Shirreff campsite. Thanks to the R/V *Lawrence M. Gould* crew and scientific parties during the opening of Copacabana field camp.